

12-17-1987

# Clemson Commencement Program, December 1987

Clemson University

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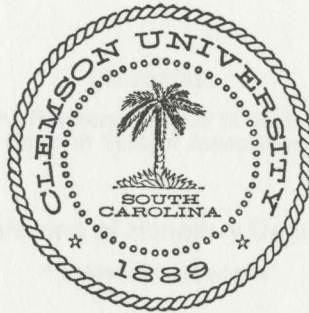
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# CLEMSON UNIVERSITY

Graduation Exercises

December 17, 1987

Clemson, South Carolina

# GRADUATION

Thursday, December 17, 1987

11:00 a. m. Littlejohn Coliseum

## Order of Ceremonies

(Audience will please stand as faculty and candidates march in and remain standing for the invocation)

### Invocation

The Reverend Charles R. Vachris  
Newman Student Association

### Conferring of Honorary Degrees

President Max Lennon

### Address to Graduating Class

Dr. Harold Norman Cooledge, Jr.  
College of Architecture

### Recognition of President's Award Recipients

### Conferring of Degrees in Course and Delivery of Diplomas

President Max Lennon

### Welcome to New Alumni

George M. Moore  
Executive Officer, Alumni Relations

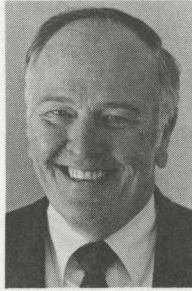
### Benediction

Frank W. Breazeale, Organist

Visitors are not allowed on the floor of the coliseum for photographic or other purposes until after the commencement address. Access to the floor of the coliseum will be allowed beginning with the conferring of degrees of the doctoral candidates.

You are requested to refrain from loud expressions of pleasure for individual graduates. Such expressions frequently detract from the recognition due the next graduate in line.

Your cooperation is respectfully but urgently requested.



**HONORARY DEGREE**  
**THOMAS FRANKLIN KELLER**  
**DOCTOR OF HUMANITIES**

Dr. Thomas F. Keller, teacher, author, university administrator and native South Carolinian, is dean of the Fuqua School of Business at Duke University. He also serves as chairman of the Department of Management Science and as R. J. Reynolds Industries Professor of Business Administration.

Dr. Keller was named to his current positions in 1974 and has been the principal architect of the business school's impressive growth and development. In the fall of 1985 corporate recruiters ranked the M.B.A. program of the Fuqua School of Business among the nation's top ten.

His success story with the Fuqua School of Business was the subject of a feature story in **The Wall Street Journal** on May 13, 1986. The newspaper said that the business school was "lost in a pack of also-rans" when Dr. Keller became dean. The school only had a handful of students, a small endowment and no building of its own.

From the beginning, Dr. Keller was determined to run the school like a business, thinking in terms of products and markets. **The Journal** said that the way in which Duke's business school went so far so fast is a textbook example of shrewd promotion by its dean. His strategy included the assembling of a fast-track faculty to enhance the image of the school and formation of a Board of Visitors from Fortune 500 companies, potential donors and employers of M.B.A.s.

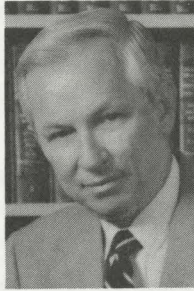
Last year the school had eight endowed chairs at \$1 million each, up from five in 1980. Enrollment of full-time students in the daytime M.B.A. program had nearly doubled to 457 since 1980.

A certified public accountant, Dr. Keller is widely respected as an author of contributions to numerous journals, as editor of **The Accounting Review**, and as coauthor of textbooks used extensively in intermediate accounting, financial accounting theory and advanced accounting.

Dr. Keller is a native of Greenwood and a Duke alumnus, having earned his A.B. degree in 1953. He also has an M.B.A. and a Ph.D. from the University of Michigan. He taught at the University of Michigan prior to joining the Duke University faculty in 1959 as an assistant professor. He served as vice provost of Duke during 1971-72.

Clemson University holds him and his achievements in the highest regard. It is a special privilege for all of us to honor him in this way.





## **HONORARY DEGREE**

**JOHN CHARLES LINDSAY**

## **DOCTOR OF LAWS**

Senator John C. Lindsay has served in the General Assembly of the State of South Carolina for the past thirty-four years, and today is one of the most effective and influential members of the State Senate, ranking fourth in seniority.

Since 1963 he has been a member of the Senate, representing Senatorial District No. 28 which comprises Dillon, Marlboro and Chesterfield counties. He previously served as a member of the House of Representatives for nine years prior to his election to the Senate.

Senator Lindsay, who resides in his native Bennettsville, is a Marine combat veteran of World War II. He earned his Bachelor of Laws degree in 1951 at the University of South Carolina School of Law and is an attorney with the firm of Lindsay and Lindsay. As a lawyer, he has earned the respect of his peers and has distinguished himself as an effective advocate of equal justice for all under the law.

In the legislature, Senator Lindsay has been an advocate of full-formula funding for institutions of higher learning in the State. He has led and supported the fight to improve educational opportunities for our children, to provide for our elderly and to assist our farmers. In the past few years he has been instrumental in securing the necessary funding to enable the Industrial Commission to expedite consideration of employee claims.

He was instrumental in the passage of legislation to create the Office of Consumer Affairs in the State and to provide funds and legislation for the State Housing Authority to make housing available to moderate and low-income citizens.

He serves as chairman of the Banking and Insurance Committee and second vice chairman of the Finance Committee. He also is chairman of the Senate Study Committee for Consumer Affairs and is an ex officio member of the State Housing Authority. Senator Lindsay is widely acknowledged as a witty and eloquent speaker with a keen intellect. A common theme which runs through his public life is his tireless and unselfish efforts on behalf of the working people and the less privileged.

It is a special privilege to honor this distinguished public servant, good friend of Clemson University, and one who has done so much to help South Carolinians enjoy a better quality of life. We express our most sincere appreciation to Senator Lindsay for all that his legislative career has meant to our state.

## University and College Marshals

Professor Joseph L. Young	University Marshal
BArch, University of Texas; MArch, Georgia Institute of Technology	
Dr. Wilbert P. Byrd	College of Agricultural Sciences
B.S., M.S., North Carolina State University; PhD, Iowa State University	
Professor Robert H. Hunter	College of Architecture
B.S., M.F.A., University of Oregon	
Dr. Billy R. Skelton	College of Commerce and Industry
B.S., M.S., Clemson University; PhD, Duke University	
Dr. Alfred F. Newton	College of Education
B.S., M.S., Clemson University; EdD, University of Tennessee	
Dr. Gilbert C. Robinson	College of Engineering
B.Cer.E., North Carolina State University; ScD, Alfred University	
Dr. Bingham M. Cool	College of Forest and Recreation Resources
B.S., Louisiana State University; M.S., Iowa State University; PhD, Michigan State University	
Dr. Richard J. Calhoun	College of Liberal Arts
B.A., George Peabody College; M.A., Johns Hopkins University; PhD, University of North Carolina	
Assistant Librarian Marian H. Withington	Library Faculty
B.A., University of South Carolina; M.S., Florida State University	
Professor Regina Thompson	College of Nursing
B.S., Bluefield State College; M.A., Columbia University	
Dr. John W. Kenelly	College of Sciences
B.S., Southeastern Louisiana University; M.S., University of Mississippi; PhD, University of Florida	
Mr. Clyde Woodall	University Staff
B.S., M.S., Clemson University	



### COMMENCEMENT SPEAKER DR. HAROLD N. COOLEEDGE, JR.

Dr. Harold N. Cooledge, Jr., is Alumni Professor of Art and Architectural History at Clemson University.

Dr. Cooledge, who joined the Clemson faculty in 1957, was born in Atlanta. He earned a Bachelor of Science degree (1944) in chemistry from Harvard College and worked as a government research chemist both in the U. S. and overseas during World War II. He received a Bachelor of Architecture degree (1949) from Harvard University Graduate School of Design and an M.A. degree (1956) and a Ph.D. degree (1962), both from the University of Pennsylvania.

Dr. Cooledge, who has travelled extensively in Europe and the Far East, has published many articles and books on mid-19th century architecture in America and architecture of Portugal. He has extensive experience in historic preservation and restoration and served for many years on the State Board of Review (S.C. Department of Archives & History) for nominations to the National Register.

He has announced plans to retire at the end of the spring semester, bringing to a close a long and distinguished academic career with Clemson. Dr. Cooledge plans to devote considerable time to the development of additional publications and also will serve as a lecturer in continuing education programs overseas for Georgia Tech.



# The President's Award

## MILTON W. HOLCOMBE

Milton W. Holcombe, a 1953 graduate in electrical and computer engineering, is a testimony to the great significance of hard work in the field of high technology and generous service to higher education. Holcombe is the co-founder and vice president of Electrospace Systems Inc., an electronics firm based in Richardson, Texas that, in less than 20 years, has grown into a multi-million dollar telecommunications and navigation systems business.

On December 16, President Lennon announced with pride that Holcombe had presented the university with a significant gift that will endow a chair in the department of electrical and computer engineering. Holcombe serves on the Electrical and Computer Engineering Advisory Board at Clemson. He is a native of Central and his wife, Betty Jo Morgan Holcombe, is from Clemson. She is a 1956 graduate of Winthrop College. They live in Richardson and have twin daughters Kathryn and Karen.

## PHILIP H. PRINCE

Few Clemson graduates have had more distinguished careers or longer records of service to this institution than Philip H. Prince, class of 1949. He has served not only as President of the Alumni Association and IPTAY, but will begin his term next year as President of the Clemson University Foundation. This devotion to his alma mater has been constant throughout a career that has taken him from Milliken and Company in Spartanburg to the Manhattan offices of American Express, where he was senior vice president for personnel until 1983. The day Phil Prince returned to South Carolina was a great one for Clemson. Today, he lives and works at Pawleys Island and continues to give generously of his time, talent and energy to the cause of a better Clemson University.

## JOSEPH A. SHIRLEY

Joseph A. Shirley, a 1940 Clemson graduate, has a long history of significant service to education, particularly to his alma mater. In 1981, he and other descendants of Callie Jones Shirley, his mother, established an endowment in her memory to benefit Clemson's Robert Muldrow Cooper Library. Because of his leadership and encouragement, that endowment has grown steadily over the years, becoming the library's largest source of private support. The Shirley Endowment stands as a lasting legacy to Joseph A. Shirley's loyal, generous and much appreciated support for higher education at Clemson University and to the love of learning that Callie Jones Shirley instilled in her descendants.

# The University Regalia

The University mace is the symbolic representation of the whole of Clemson University and must be present at any convocation where the University, through its delegated members, is acting officially. At any official convocation such as commencement, the University Marshal, carrying the mace, precedes the President into the assembly. The mace rests before the President's chair or speaker's stand throughout the ceremony, and its removal from the assembly at the close of a convocation is symbolic of the official withdrawal of the University and, thus, the close of the proceedings.

The decorative design of Clemson's mace is derived from the ceremonial maces carried by heads of state and church in the Middle Ages. Its basic club-like shape, however, is much more ancient, probably going back to man's pre-history. It is made of walnut wood and silver, with the seal of the University in gold and the University colors represented by insets of cornelian (orange) and amethyst (purple). Amethyst is also the state stone of South Carolina.

The Presidential chain and seal is symbolic of the authority vested in the office of president by the governing body of the University. Only the University President may wear it, and while wearing it he speaks for the whole body of the institution. Clemson's chain and seal are made of silver and gold, and cornelian and amethyst.

The batons of the college marshals also descend from medieval "staffs of office" which were carried by the senior members of departments of state or church. They display the seal of the University and the symbolic color of the discipline to which the college belongs. Clemson's batons are made of walnut wood and silver with the various disciplines inset with enamel.

The University regalia were designed and executed by Mr. Robert Ebendorf. Mr. Ebendorf is twice winner of the Tiffany Award and one of the most acclaimed goldsmiths of our era. The enamel plaques for the batons were executed by the late Professor Marshall C. Bell, and the lapidary work was executed by the late Mr. C. C. Wilson of Clemson University.



# CANDIDATES FOR BACHELORS' DEGREES

## COLLEGE OF AGRICULTURAL SCIENCES

STEPHEN RICHARD CHAPMAN, Dean

### BACHELOR OF SCIENCE

#### Agricultural Economics and Rural Sociology

Andrew Jason Arrowood	Greer	Chalmers McDermid Mikell	Clemson
Timothy Baber LeMaster	Gaffney	Frank Maner Rice	Allendale

#### Agricultural Education

Brenda Earlene Thomas Greenville

#### Agricultural Mechanization and Business

Roger Oneal Bates	Williston	Jacob Barron Ervin, Jr.	Florence
Barry Irvin Berry	Bowman	Joshua LaRoche Garvin III	Yonges Island

#### Agronomy

Paula Bridgid Ford Chapel Hill, N. C.

#### Animal Industries

Kenneth Bruce Bunn	Sandy Springs	Jeanette Marie Hanberry	Denmark
Sebastian Luis Dolny	Buenos Aires, Argentina	Richard Rutledge Thomas III	Cope

#### Economic Biology

Tandy Lee Collier Six Mile

#### Food Science

Scott William Beckwith	Clemson	Kathleen Chapman Morse	Greenville
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#### Horticulture

*Mark Graydon Abercrombie	Broad Run, Va.	Jerrold Thomas Moody	Eustis, Fla.
James Byron Bulman, Jr.	Spartanburg	*David Steedly O'Cain	Orangeburg
Thomas Dennis Corbin	Greenville	Richard Ernest Posey	North Augusta
Lewis Edward McDowell III	Pauline	John Bradford Smith	Columbia
Regina Ruth Melton	Ruby	Wanda Louise Warren	Clover

#### Pre-Professional Studies

Andrew Fred Stringer, Jr. Anderson

## COLLEGE OF ARCHITECTURE

JAMES FRAZIER BARKER, Dean

### BACHELOR OF ARTS

#### Design

Stephanle Joan Klose Glastonbury, Ct.

### BACHELOR OF SCIENCE

#### Building Science and Management

William Player Curtis	Tampa, Fla.	Harriet Elizabeth Hood	Richmond, Ky.
James Scott DeWind	Tampa, Fla.	Kevin Jude McKenna	Severna Park, Md.

#### Design

Matas Rutenis St. Louis, Mo.

## COLLEGE OF COMMERCE AND INDUSTRY

RYAN CUSTER AMACHER, Dean

### BACHELOR OF ARTS

#### Economics

Marilyn Melinda Pitts Jackson, Miss.

## BACHELOR OF SCIENCE

### Accounting

Cynthia Adline Arledge	Spartanburg	Maurice Daniel Holloway	Jefferson
Cynthia Cauble Brown	Easley	Kimberly Sue Isbell	Pendleton
Roger Kevin Chitty	St. George	Luann Meador Keller	Niles, Mich.
*Cheryl Amma Corbin	Greenville	*Nancy Parris Kellett	Greenville
*Michelle Saunders Counsil	Glastonbury, Ct.	Alison Crawford Link	Anderson
Leslie Ann Ellis	Terre Haute, Ind.	Adrienne Joyce Lowe	Gray Court
**Robert Wier Franklin	Clemson	Phillip Dwayne Mishoe	Charleston
Christina Faye Griffin	Columbia	Sheila Iwalani Rhoads	Sumter
Susan Elizabeth Harrison	Ruston, La.	Michael Lloyd Salais	Greenville
Laura Suzanne Hoffman	Fremont, Neb.	Sheri Lynne Whaley	Taylors
Brian Keith Holden	Anderson	Julie Renee Whelchel	Pendleton
Gregory Allen Hollinger	Greenville		

### Economics

Barry Edward Bazen	Florence	David Walter Robinson	Aiken
Conrad Wayne Crews, Jr.	Greenville	Rebecca Anne Ryan	Irmo
Donald Robert Hammond, Jr.	Medford, N. J.	Kelly Brian Todd	Greenville
*Margaret Caroline Nelson	Awendaw	Allison Lynn Turner	Medford, N. J.

### Financial Management

Ronald Michael Arias	New Providence, N. J.	Lynn Rich Kunkle	Clemson
**Dorothy Holden Burchfield	Central	Timothy Blake Lee	Greenville
Mary Paige Canady	Easley	William Wesley McMullan	Atlanta, Ga.
Mark William Cauthen	Lancaster	James DeKalb Miller	York
*Melanie Cherie Cook	Hartsville	Tony Dion Mills	Loris
Joanna Lynne Cunningham	Cowpens	Deborah Ellen Moehlich	Gainesville, Ga.
Stephen Thomas Currier	Atlanta, Ga.	Jimmy Lee Mullinax	Blacksburg
Loraine Knauer Dickinson	Jacksonville, Fla.	Daniel Larrime Pearman, Jr.	Charlotte, N. C.
Paul Scott Dillon	St. Louis, Mo.	Benjamin Owen Ravenel III	Charleston
Charles William Gallman, Jr.	Mt. Holly, N. C.	Michael Wallace Schenck, Jr.	Camden
Thomas Matthew Gantt	Greenville	Stephen Neil Sorensen	Roebuck
Mary E. Godfrey	Roswell, Ga.	Shannon McLean Steele	Columbia
Debra Ann Gruca	Hendersonville, N. C.	Beth Ann Vlering	Union
Richard Roderick Holliday	Hana Wilderness	Richard Scott Weaver	Mauldin
Andrew Joseph Karpowicz	Easley	**Shelly Lyn Zanin	Spartanburg
William Michael Konecny	Marion		

### Industrial Management

Christopher Thomas Anderson	Greenwood	Kevin Francis McKinley	Columbia
Josiah Walter Bagwell III	Marion, N. C.	Christopher Scott Murray	Mt. Pleasant
Glenn Eugene Barinowski	North Augusta	Jan Dell Parr	Taylors
Pauline Bolton	Neshanic Station, N. J.	Jeryl Jenifer Prescott	Hartsville
James Fred Campbell III	Clearwater, Fla.	Ray Bernard Price II	Belmont, Cal.
Mark Lee Corley	Greenville	Jeffrey Lane Saylor	Medford, N. J.
Clifton Edward Davis	Monterey, Cal.	Robert John Stahlsmith, Jr.	Seabrook Island
Joseph James Feeley	Pittsburgh, Pa.	James Calvin Teague, Jr.	Pendleton
Sallie Brown Folk	Florence	Kent Robert Van Slambrook	Goose Creek
Vincent Daniel Richard Guide, Jr.	Clemson	Robert Kenneth Walsh, Jr.	Florence
Sarah Lee Julian	Greenville	Jeffrey Dean Whaley	Spartanburg
Scott Thomson Kendrick	Spartanburg	James Harold Wilson, Jr.	Greenville
James Michael Kilton, Jr.	Mauldin	Robert Christopher Yockel	Batesburg
John Darryl Marshall	Denville, N. J.		

### Management

Allison Jean Alvarez	Rock Hill	Mary Allison Brooks	Greenwood
David Paul Andersen	Surfside Beach	Jeffrey Blair Burgess	Virginia Beach, Va.
Charles Eugene Anderson	Orangeburg	Thomas Gerald Carrigan, Jr.	Sumter
Donald Scott Ankers	Waldorf, Md.	Steven Beck Collins	Pickens
Stephen Franklin Baker	Marietta	Charles Brian Dalton	Pickens
Wendy Theresa Balz	Greenville	Andrew Craig Davies	Durban, South Africa
Emory Todd Bedenbaugh	Bishopville	Barney Copeland Derrick	Little Mountain
Janet Kay Brodmerkel	Clover	Colleen Anne Durkin	Baltimore, Md.
Byron Leslie Brooks III	Bowie, Md.	Martin Mary Flynn	Longford, Ireland



# CANDIDATES FOR EDUCATION SPECIALIST AND MASTERS' DEGREES

ARNOLD EDWARD SCHWARTZ, Dean, Graduate School

## COLLEGE OF AGRICULTURAL SCIENCES

### MASTER OF AGRICULTURAL EDUCATION

Bobby Lee Kinard \_\_\_\_\_ Pellion Keith Collins Shuler \_\_\_\_\_ Salem

### MASTER OF AGRICULTURE

Yucheng Lin \_\_\_\_\_ Chiai, Taiwan Ray Elliott McLin, Jr. \_\_\_\_\_ Walterboro

### MASTER OF NUTRITIONAL SCIENCES

Karen Elizabeth Geisbuesch \_\_ Rochester, N. Y. Linda Fletcher Lathren \_\_\_\_\_ Toccoa, Ga.  
Neil Charles Gillespie \_\_\_\_\_ Easley

### MASTER OF SCIENCE

#### Agronomy

Robert Kipp Brenton \_\_\_\_\_ Grayslake, Ill. Gregory Thomas Monnett \_\_\_\_\_ Columbia, N. J.  
Robert Ben Fleming, Jr. \_\_\_\_\_ Manning Martin Lee Norfleet \_\_\_\_\_ Hopkinsville, Ky.

#### Animal and Food Industries

Kuo-Tung Hsu \_\_\_\_\_ Kang-shan, Taiwan Sang-Ho Kim \_\_\_\_\_ Seoul, Korea  
Cau-Li Hsun \_\_\_\_\_ Taichung, Taiwan Melania Ann Maziar \_\_\_\_\_ Cornersville, Ind.

#### Aquaculture, Fisheries, and Wildlife Biology

David Weaver Braschler \_\_\_\_\_ Decatur, Ga. Bruce Martin Davis \_\_\_\_\_ Ann Arbor, Mich.  
Douglas Wayne Cooke \_\_\_\_\_ Indianapolis, Ind.

#### Entomology

Timothy Marshall Drake, Jr. \_\_\_\_\_ Inman Toure Glenwood Thompson \_\_\_\_\_ Charleston

#### Horticulture

Donald William Roberts \_\_\_\_\_ Griffin, Ga.

#### Nutrition

Virginia Celeste Coker \_\_\_\_\_ Hartsville Lieling Hwang \_\_\_\_\_ Taipei, Taiwan

## COLLEGE OF ARCHITECTURE

### MASTER OF ARCHITECTURE

Ushadevi Bhalchandra Gokhale \_\_ Bombay, India Timothy Frederick Hullihan \_\_\_\_ Palm Beach, Fla.  
Jonathan Albert Huddy \_\_\_\_\_ Detroit, Mich. Walter Alan Nurm \_\_\_\_\_ Lynchburg, Va.

### MASTER OF CITY AND REGIONAL PLANNING

John Mark Farris \_\_\_\_\_ York Chen-Ching Yang \_\_\_\_\_ I-Lan, Taiwan  
Robert Howell Price III \_\_\_\_\_ Columbia

### MASTER OF FINE ARTS

Gilbert Wicks Leebrick \_\_\_\_\_ Highlands, N. C.

## COLLEGE OF COMMERCE AND INDUSTRY

### MASTER OF BUSINESS ADMINISTRATION

Kenneth Michael Barnett \_\_\_\_\_ Union Ronald Frank Reese \_\_\_\_\_ Anderson  
Steven Robert Depies \_\_\_\_\_ Cedarburg, Wis. Leslie Lynn Scanlon \_\_\_\_\_ Taylors  
Brian Eric Dillon \_\_\_\_\_ Greer Lawrence W. Stachniak \_\_\_\_\_ Greenville  
Michael Herringdine \_\_\_\_\_ Jacksonville, Fla. Claudia Timmins Sutton \_\_\_\_\_ Simpsonville  
Patricia Joanne Monczewski \_\_\_\_\_ McLean, Va. James Ronald Uz \_\_\_\_\_ Greenville  
Patricia Harbison Potts \_\_\_\_\_ Greenville



## MASTER OF PROFESSIONAL ACCOUNTANCY

Robert John Anderson, Jr.	Spartanburg	Rayford Lee Poole	Mauldin
Charles Rajendran Job	Clemson	Susan Elizabeth Stanley	Anderson
Angela Marie Kirby	Greenville	Teresa Davis Stephens	Easley

## MASTER OF ARTS

### Economics

Anand Kumar Bhansali	Bombay, India	Robert Allen Kneuper	Burke, Va.
Taufiq Choudhry	Karachi, Pakistan		

## MASTER OF SCIENCE

### Industrial Management

Jeffery Paul Boatman	Spartanburg	Roger Joseph Lorelle	Dayton, Ohio
Nikhillesh G. Dhuldhoya	Bombay, India	Mary Alice Mills	Tucker, Ga.
Patricia Michalann Greenway	Spartanburg	Man Ying Qiu	Shanghai, China
Robert Tillman Helms	Charleston	Christopher Anthony Swanek	
Tracy H. Ivester	Anderson		Chagrin Falls, Ohio
Dorothy Michelle LaMarche	Raleigh, N. C.	Roy Dale Swing, Jr.	Lexington, N. C.
Sheila Lynne Langford	Plantation, Fla.	Stephanie Michelle Weikert	Henderson, Ky.
Chi-Fang Liu	Keelung, Taiwan	Joel Bryan Wiggins	Arden, N. C.

### Textile Science

Christoffel Wilhelmus De Bruyn --- Durban, South Africa

## COLLEGE OF EDUCATION

### EDUCATION SPECIALIST

#### Administration and Supervision

William Abit Alexander, Jr.	Clinton	Ernest Eugene Mills	Taylors
Bruce Alan Forbes	Clarksesville, Ga.	James Michael Mize	Lavonia, Ga.

### MASTER OF EDUCATION

#### Administration and Supervision

James Harold Campbell	Starr	Jerome Phillip Singleton	Greenwood
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#### Counseling and Guidance Services

Susan Elaine Bailey	Lancaster	Beverly Wade Kinard	Greenville
Sara Lynn Brown	Pendleton	Linda Hurt Lucas	Greenwood
Richard Alan Coleman	Pendleton	Nancy Brezeale Mann	Travelers Rest
Susan Cooper Eller	Easley	James Hellams Moore	Laurens
Karen Land Ford	Ninety Six	Ronald Wesson Moran III	Clemson
Jimmy Ray Holder	Clemson	James Allen Murray	Taylors
Gaye Glover Huguenin	Greenville	Rashidi Ann Reinovsky	Pickens
Bobbie Lou Hulsebus	North Augusta	Jamie Lynne Stoker	Spartanburg
Frances Lynn Jarratt	Fairfax, Va.	Mary Mears Taylor	Greenwood

#### Elementary Education

Candice Faye DuBose	Clemson	Delphine Kay McKinney	Easley
Donna Annette Gibson	Westminster	Sandra Scott Moore	Toccoa, Ga.
Carol Ann Harbert	Toccoa, Ga.	Gloria McNeil Neely	Rock Hill
Carolyn Porter Keese	Seneca	Shari Naillon Thomas	Toccoa, Ga.
Alice Nelle Maertens	Seneca	Debra Mason Turner	Landrum

#### Reading

Elizabeth Prior Eskridge	Anderson	Patrice Bowers McDonald	Sandy Springs
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#### Secondary Education

Ming Chang	Shanghai, China	Doris Poole Harbin	Anderson
Gary Alexander DuBose	Seneca		

#### Special Education

Barbara Anne Patterson Adams	Pickens	Diane Hubbard Gurley	Anderson
Amy Louise Cason	Anderson	Beth Haynie Moore	Belton

## MASTER OF INDUSTRIAL EDUCATION

Anthony Edward Kobukowski, Jr.	Greenville	Mark Adams Strom	San Luis Obispo, Cal.
Lisa Ann Krueger	Chalk Hill, Pa.	Neil William Weber	Buffalo, N. Y.
Joseph George Schickel	N. Versailles, Pa.		

## COLLEGE OF ENGINEERING

### MASTER OF ENGINEERING

#### Civil Engineering

Louis Batour Elzoghbi \_\_\_ Daar-Bechtar, Lebanon      Davidson Anizoba Ozodigwe \_\_\_\_ Enugu, Nigeria

#### Electrical Engineering

Robert David Jeffords \_\_\_\_\_ Burlington, N. C.      Michelle Stewart Leuner \_\_\_\_\_ Greenville

#### Environmental Systems Engineering

Yunn-Tzer Lu \_\_\_\_\_ Taipei, Taiwan      Abha Sharma \_\_\_\_\_ Richmond, Va.

### MASTER OF SCIENCE

#### Agricultural Engineering

(Agricultural Engineering is jointly administered by the College of  
Agricultural Sciences and the College of Engineering.)

Cynthia Ann Krueger \_\_\_\_ Corpus Christi, Texas

#### Bioengineering

Phillip Byron Messersmith \_\_\_\_ Champaign, Ill.

#### Chemical Engineering

Ivan Jeremy Hartley \_\_ Altona, Victoria, Australia

#### Civil Engineering

Suribabu V. Aniseti \_\_\_\_\_ Chevendra, India      Richard Leroy Conte \_\_\_\_\_ Cleveland, Ohio

John Edgar Arnold \_\_\_\_\_ Darlington      Debra Lee Hernandez \_\_\_\_\_ Summerville

Ted Raben Campbell \_\_\_\_\_ Columbia

#### Computer Engineering

Robert Lee McDonough \_\_\_\_\_ Valencia, Pa.

#### Electrical Engineering

Chun-Lin Chen \_\_\_\_\_ Taipei, Taiwan      David Greer Hart \_\_\_\_\_ West Springs

Ling-Hang Chen \_\_\_\_\_ Taipei, Taiwan      Ravishankar Nott \_\_\_\_\_ New Delhi, India

Kim Hung Fung \_\_\_\_\_ Honolulu, Hawaii      Jian Yuan Peng \_\_\_\_\_ Clemson

Juan Manuel Gomez \_\_\_\_\_ Bogota, Colombia      King Sun Wan \_\_\_\_\_ Kowloon, Hong Kong

#### Environmental Systems Engineering

Nick Giannopoulos \_\_\_\_\_ Salonika, Greece      Marie Therese Ruane \_\_\_\_\_ Detroit, Mich.

John David Knapp \_\_\_\_\_ Stone Mountain, Ga.

#### Industrial Engineering

Carlos Antonio Usera \_\_\_\_\_ Rapid City, S. D.

#### Mechanical Engineering

Chia-Liu Kuan \_\_\_\_\_ Clemson      Anthony A. Rhudd \_\_\_\_\_ Brooklyn, N. Y.

Andrew Ervin McLeod \_\_\_\_\_ Florence      Hemant Mohan Sardar \_\_\_\_\_ Bombay, India

Albert Bailey Newton \_\_\_\_\_ Charleston

## COLLEGE OF FOREST AND RECREATION RESOURCES

### MASTER OF PARKS, RECREATION, AND TOURISM MANAGEMENT

Mari-Elena Baldwin \_\_\_\_\_ Atlanta, Ga.      Patricia Ann Maguire \_\_\_\_\_ Central

Judith Ann Dorsey \_\_\_\_\_ Lawrence, Kansas

### MASTER OF SCIENCE

#### Forestry

Frederick Allan Busch \_\_\_\_\_ Seneca      Josefina Munoz San Luis \_\_\_\_ Manila, Philippines

Linda Marie Haugen \_\_\_\_\_ Lansing, Iowa      Christopher Barry Stephens \_\_\_\_\_ Gaffney

James Carl Jacobi \_\_\_\_\_ Bennington, Vt.

#### Parks, Recreation, and Tourism Management

Nancy Lee Menning \_\_\_\_\_ Appleton, Wis.

## COLLEGE OF LIBERAL ARTS

### MASTER OF ARTS

#### English

Leslie Gagliano Beggs \_\_\_\_\_ Modesto, Cal. Chantal Duriez Mauldin \_\_\_\_\_ Clemson  
LaVerne McKay Christoph \_\_\_\_\_ Seneca Judith Ellen Shepherd \_\_\_\_\_ Glasgow, Scotland  
Susan Elizabeth Kennedy \_\_\_\_\_ Columbia

#### History

David Thomas Redekop \_\_\_\_\_ Fort Erie, Ontario

## COLLEGE OF NURSING

### MASTER OF SCIENCE

#### Nursing

Susan Turner McAlister \_\_\_\_\_ Greenwood Lynette Maxine Carroll Richardson  
Angela Farr Rice \_\_\_\_\_ Charleston \_\_\_\_\_ St. George's, Bermuda  
Kathryn Naomi Smith \_\_\_\_\_ Atlanta, Ga.

## COLLEGE OF SCIENCES

### MASTER OF SCIENCE

#### Botany

Robert Brown Efird \_\_\_\_\_ Harrisburg, N. C. Elizabeth Group Young \_\_\_\_\_ Sumter  
John David Tobe \_\_\_\_\_ Davie, Fla.

#### Chemistry

James Robert Bowyer \_\_\_\_\_ Spartanburg Tung-Ming Hsiung \_\_\_\_\_ Taipei, Taiwan  
Mary Dolores B. Dillingham \_\_\_\_\_ Columbia Richard Todd Hunter \_\_\_\_\_ Alexandria, Va.

#### Computer Science

Michael Paul Beede \_\_\_\_\_ Superior, Wis. Govindarajan Rangarajan \_\_\_\_\_ Tamilnadu, India  
Maxine Housch Campbell \_\_\_\_\_ Taylors Guillermo Antonio Roa \_\_\_\_\_ Managua, Nicaragua  
Wayne Leslie Hutchinson \_\_\_\_\_ Columbia David Lawrence Sokoler \_\_\_\_\_ Holmdel, N. J.  
David Woodruff Kelley \_\_\_\_\_ Greer Vasudevan Subramanian \_\_\_\_\_ Visakhapatnam, India  
Robert Connelly Miller \_\_\_\_\_ Charleston Mark Andrew Thomas \_\_\_\_\_ Cincinnati, Ohio  
Eugene Harmon Patton \_\_\_\_\_ Largo, Fla. Demetrios J. Yannakopoulos \_\_\_\_\_ Athens, Greece

#### Mathematical Sciences

Laura Jane Adams-Kinard \_\_\_\_\_ Clemson Sharleen Denise Metz \_\_\_\_\_ Jacksonville, Fla.  
Edwin Ka Kam Chiu \_\_\_\_\_ Kowloon, Hong Kong David Mark Nash, Jr. \_\_\_\_\_ Madison Heights, Mich.  
Thomas Robert Ericson \_\_\_\_\_ South St. Paul, Minn. Robert Paul Nelson \_\_\_\_\_ Englishtown, N. J.  
Michael Edward Lundquist \_\_\_\_\_ Dawson, Minn.

#### Microbiology

Anthony Isolda \_\_\_\_\_ Westfield, N. J.

#### Physics

William Gregory Washburn \_\_\_\_\_ Baltimore, Md.

#### Zoology

Jill Elaine Borbas \_\_\_\_\_ Madison, N. J.



## CANDIDATES FOR DOCTORS' DEGREES

ARNOLD EDWARD SCHWARTZ, Dean, Graduate School

### COLLEGE OF AGRICULTURAL SCIENCES

#### DOCTOR OF PHILOSOPHY

##### Agronomy

Robert Kariuki Obura ..... Njoro-Nakuru, Kenya  
B.S., University of Nairobi; M.S., Tuskegee University  
Dissertation: Effect of Mycorrhizae and Bradyrhizobia on Growth of Cowpea (*Vigna unguiculata* [L.] Walp.)

##### Applied Economics

Patricia Ann Frazier ..... Mobile, Ala.  
B.S., Talladega College; M.A., Northwestern University  
Dissertation: The Economic Returns to High School Quality for Persons Educated in the Census South

Mark Lindell Mitchell ..... Jena, La.  
B.B.A., Northeast Louisiana University; M.A., Clemson University  
Dissertation: The Impact of Product Quality Reducing Events on the Value of Brand-Name Capital: Evidence from Airline Crashes and the 1982 Tylenol Poisonings

##### Entomology

Maxcy Pearle Nolan III ..... Athens, Ga.  
B.A., University of Georgia; M.S., Clemson University  
Dissertation: Development of an Integrated Pest Management Program for the Control of the House Fly *Musca domestica* L. in Caged Layer Poultry Houses in South Carolina

##### Nutrition

Zamzam Kabiry Roughead ..... Shirvan, Iran  
B.S., North Georgia College; M.S., Clemson University  
Dissertation: Effects of Developmental Zinc Deficiency on Bone Noncollagenous Proteins and Alkaline Phosphatase in Rat Pups

##### Plant Pathology

Debra Petra Shepard ..... La Mesa, Cal.  
B.S., University of California; M.Ag.Ed., Clemson University  
Dissertation: Some Aspects of Ecology of *Xanthomonas campestris* pv. *pruni* on Peach and Plum

##### Plant Physiology

Richard Baker Thomas ..... Conway  
B.S., Mars Hill College; M.S., Western Carolina University  
Dissertation: Responses of Two Summer Annuals to Interactions of Atmospheric CO<sub>2</sub> and Soil Nitrogen

### COLLEGE OF COMMERCE AND INDUSTRY

#### DOCTOR OF PHILOSOPHY

##### Industrial Management

Fahrettin Karakaya ..... Arlington, Vt.  
B.S., North Adams State College; M.B.A., University of Massachusetts  
Dissertation: Modeling Market Entry Decisions: A Test of Porter's Market Entry Barriers

### COLLEGE OF EDUCATION

#### DOCTOR OF EDUCATION

##### Vocational and Technical Education

Jack Wayne Davis ..... Seneca  
B.S., M.Ag., Clemson University  
Dissertation: Get Fired Up: A Model for Developing In-School 4-H Program

Barry William Russell ..... Greenwood  
B.S., M.In.Ed., Clemson University  
Dissertation: An Analysis of Economic Variables Affecting Enrollments in Two-Year Technical Colleges

Stephen Carlos Scott ..... Liberty  
B.A., M.Ed., Clemson University  
Dissertation: Relationship of Job Satisfaction of Technical College Deans to the Brain Dominance and Managerial Style of their Chief Instructional Officers

## COLLEGE OF ENGINEERING

### DOCTOR OF PHILOSOPHY

#### Engineering

- Serji Amirkhanian ----- Glendale, Cal.  
B.S., M.S., Tennessee Technological University  
Dissertation: Evaluation and Prediction of Moisture-Induced Damage in Asphaltic Concrete Pavements  
(Field of Specialization: Civil Engineering)
- Jodi Jean Farrington ----- Canandaigua, N. Y.  
B.S.C.E., Syracuse University; M.S.C.E., University of Colorado  
Dissertation: A Methodology to Identify and Categorize Costs of Quality Deviations in Design and Construction (Field of Specialization: Civil Engineering)
- John Alden Murden ----- Charleston  
B.S., M.S., Clemson University  
Dissertation: Determination of the Lateral Load-Carrying Characteristics of a Low-Rise Metal Building System (Field of Specialization: Civil Engineering)
- Leonardo C. Topa ----- Venice, Italy  
Laurea, Università Degli Studi Di Padova; M.S., Worcester Polytechnic Institute  
Dissertation: A Rule-Based Expert System for the Determination of Object Structure and Motion Information from a Sequence of Digital Images (Field of Specialization: Electrical Engineering)

## COLLEGE OF SCIENCES

### DOCTOR OF PHILOSOPHY

#### Chemistry

- William Howard Balke ----- Winter Park, Fla.  
B.S., Emory University  
Dissertation: Regiochemistry of Enolization of 2-Decalones
- David Lynn Dunn ----- Elberton, Ga.  
B.S., Berry College  
Dissertation: 113m — Cadmium as a Biogeochemical Tracer for Cadmium in Lake Michigan
- Raybon Thomas Keel ----- Marietta, Ga.  
B.S., Berry College  
Dissertation: The Measurement of Heavy Metals in Natural Waters: Zinc Dynamics in the Southern Basin of Lake Michigan
- Dennis Ray Mitchell ----- Remington, Va.  
B.S., Old Dominion University; M.S., Clemson University  
Dissertation: Infrared Laser Induced Chemical Processes
- Ming-Jung Wu ----- Ping-Tung, Taiwan  
B.S., National Tsing Hua University  
Dissertation: Synthetic Approaches to  $\Delta^9$  — Tetrahydrocannabinol and Its 11-Oxygenated Metabolites

#### Mathematical Sciences

- Carolyn Pizzulo Eschenbach ----- Moore  
B.S., M.S., University of Florida  
Dissertation: Eigenvalue Classification in Qualitative Matrix Analysis
- Kevin Lee Fox ----- Opelika, Ala.  
B.S., University of the South; M.S., Clemson University  
Dissertation: Some Applications of Smooth Splines to Density and Cumulative Function Approximation

#### Microbiology

- Matthew Graham Fitts ----- Charleston  
B.S., Clemson University  
Dissertation: Proto-Oncogene Expression in Cultures of B16 Mouse Melanoma Cells in Response to Selected Metabolites
- Molly Estelle Smith ----- Waycross, Ga.  
B.S., Mercer University  
Dissertation: The Effects of Serum on DNA Repair and Replication: Development of a Quantitative Thymidine Incorporation Assay for Inter-Individual Comparisons of Immunocompetence and DNA Repair Capacity

#### Physics

- Ronald George Samec ----- Tampa, Fla.  
B.A., M.A., University of South Florida  
Dissertation: Photoelectric Photometry of Very Short Period Eclipsing Binary Systems and Their Light Curve Solutions

#### Zoology

- John Jenkins Hains ----- Iron Station, N. C.  
B.S., North Carolina State University; M.S., Clemson University  
Dissertation: Control of Diel Vertical Phytoplankton Distributions in Lake Louise, Georgia



### Management (continued)

James Edward Gay, Jr. _____	Beaufort	Eric Charles Olson _____	Tauton, Mass.
Diane Elizabeth Gerstemeier ____	Myrtle Beach	David White Paulus, Jr. _____	West Milford, N. J.
David Charles Gowan _____	Reidville	John Griffith Porth _____	St. Matthews
Steven Broadus Griffin _____	Charlotte, N. C.	Patricia Jean Price _____	Lake Park, Fla.
Kim Marie Hayden _____	Ladson	Mary Beth Provost _____	Greenville
Kimberly Elaine Hudgens _____	Greenville	***Michelle Moore Pruitt _____	Dalton, Ga.
James William Hurley _____	Montclair, N. J.	Renee Beth Singletary _____	Hanahan
Scott Stanford Jackson _____	Inman	Christopher David Smith _____	Carrollton, Ga.
John Thomas Judy _____	Spartanburg	Elizabeth Stockwell Smoley ____	Rockville, Md.
Teresa Lynn Kennedy _____	Fort Mill	Kenneth Gregory Stech _____	Mt. Pleasant
Robert Alan Lancaster _____	Sumter	Dana Leigh Stinson _____	Deerfield Beach, Fla.
Kevin Joseph Lasher _____	Marietta, Ga.	David William Straitiff _____	New Cumberland, Pa.
Laura Jill Lee _____	Spartanburg	Julie Marie Trado _____	Anderson
Alexander Prosser Liggett _____	Tampa, Fla.	Shirley Ann Turner _____	Camden
Deborah Ellen Malone _____	Spartanburg	Donna Maria Vellines _____	Spartanburg
Thomas George Martin _____	Blacksburg	John Russell Wilder, Jr. _____	Walhalla
Julie Marie McCathern _____	Columbia	William Elza Williams III _____	Greenville
Paul Miller McFadden _____	Rock Hill	Fred Burnett Wilson _____	Oak Ridge, N. C.
Philip Kitchings McNair IV _____	Mauldin	Guy Beveridge Yeadon _____	Bradford Woods, Pa.
Stacey Ann Medlin _____	Anderson	Richard Keith Young, Jr. _____	Greenville
Matthew Andrew Mlynarczyk _	Cinnaminson, N. J.	Eugene Poole Zeigler _____	Orangeburg

### Marketing

John Michael Gardner _____	Greenville	*Sarina Jo Smith _____	Greer
Robert Larsen Jones _____	Pawley's Island	Melanie Lee Swann _____	West Palm Beach, Fla.
Robert Alan Lancaster _____	Sumter		

### Textile Management

Marcos Erbe _____	Brusque, Brazil	Eric Brady Martin _____	Greenville
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### Textile Science

Sarah Ann Williams _____	Cumberland, Md.
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### BACHELOR OF TEXTILE TECHNOLOGY

Shannon Elizabeth Powell _____	Dalton, Ga.
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## COLLEGE OF EDUCATION

JAMES EDWARD MATTHEWS, Dean

### BACHELOR OF ARTS

#### Early Childhood Education

Wanda Leshel Bridges _____	Lyman	Melissa Ann Longshore _____	Silverstreet
Mary Jewel Coleman _____	Pamplico	Angela Denise Mims _____	Anderson
Angela Underwood Holden _____	Anderson	Helen Joyce Phillips _____	Columbia
*Jeanette Blanche Kelly _____	York		

#### Elementary Education

*Michele Teders Alexander ____	Columbus, Ohio	Tracie Dawn Knox _____	Jonesville
Donna McGill Alter _____	Easley	Beth Rene Martin _____	North
Robin Elizabeth Bridges _____	Greer	†**Stacey Allison Mikulcik ____	Voorhees, N. J.
Lisa Renee Clamp _____	Pickens	Martha Helen Murray _____	Chester
Elizabeth Ann Culler _____	Orangeburg	*Mary Helen Oliver _____	Clemson
*Susan Kraft Daley _____	Clarksville, Va.	Sharon June Strawhorn _____	Honea Path
Mary Kelly Garvin _____	Anderson	Elizabeth Sahadi Turner _____	Palisades, N. Y.
Tracy Lynn Hall _____	Greenwood		

#### Secondary Education

Christopher Allen Benson _____	Mountain Rest	Martha Annette Hook _____	Mt. Pleasant
Teresa Moody Caton _____	Spartanburg	Jacquelyn Elaine Loving _____	Greenville
Pamela Deloris Corbett _____	Paxville	Pamela Wigginton Moore _____	Salem
Sheila Kay Flanders _____	North Augusta	Donna Perry Wiggins _____	Seneca



## BACHELOR OF SCIENCE

### Graphic Communications

Karon Patterson Davis	Clemson	William Fain LeGrand III	Rock Hill
Amanda Michele Graham	Clemson	Scott Joseph Rempe	Lancaster, Pa.
Christopher Ayres Kersh	Fairfax, Va.	James Eric Standridge	Greenville
Avis Leontyne Latimer	Pendleton		

### Industrial Education

Larry Steve Baucom	Mint Hill, N. C.	James Robert Farr, Jr.	Thomson, Ga.
Peggy Jean Caple	Maxton, N. C.	Marion Len Moorefield	Greenville

### Science Teaching

Howard Samuel Boyer, Jr.	Douglasville, Pa.	Susan Dawn Jones	Abbeville
Andrea Gaye Bullard	Lyman	Charlotte Deanna Tinsley	Irmo
Teresa Mia Cribb	Hemingway	Teresa Carole Williams	Stamford, Vt.
Margaret Therese Hildreth	Anderson		

## COLLEGE OF ENGINEERING

JOSEPH CHARLES JENNETT, Dean

### BACHELOR OF SCIENCE

#### Agricultural Engineering

(Agricultural Engineering is jointly administered by the College of  
Agricultural Sciences and the College of Engineering.)

George Kelvin Bryan	Round O	Edward Davis McDowell, Jr.	Elliot
Sheldon Gregory Dawsey	Aynor		

#### Ceramic Engineering

Lou Ann Clary	Fort Lawn	James Peter Kaplan	Wayne, N. J.
Robert Carl Dalton	Colonia, N. J.	*Martin Richard Magnus	Summerville
Keehna Bridgett Frasier	Summerville		

#### Chemical Engineering

John Albert Dickson IV	Lake Wylie	Curtis Irvin Middleton II	Oakley
Robert Henry Horton	North Augusta	**Dennis Earl Pike, Jr.	Inman
Michael Allen Keller	Frederick, Md.	David Lee Wynn	Seneca

#### Civil Engineering

Steven Lyle Bardos	Myrtle Beach	Ronald L. Merritt, Jr.	North Fort Myers, Fla.
***Michael Eugene Bethea	Latta	David Boyd Parr, Jr.	Newberry
Mark Robert Binsz	Winterville, Ga.	Andrew Richard Redwood	Williston
*Gary Blair Burgess	Greenville	James Gercie Reed, Jr.	Charleston
Robert Andrew Cipollone	Greenville	Rebecca Jean Rollins	Central
Randall Lee Davis	Charleston	Michael Paul Ross	Gastonia, N. C.
*Michael Gary DuPre	Moncks Corner	*Neal Everett Smith	Greenville
Darien Roger Gabriel	Summerville	Scott Kenneth Stannard	Greenville
Jeffrey Lane Halliburton	Savannah, Ga.	Gregory Douglas Walker	Florence
Mary Kathryn Kapusciaz	Arlington, Va.	Edward Floyd West	Simpsonville
*Kim Jean Martin	Mt. Pleasant	Nancy Ellen Williams	Burlington, N. C.

#### Computer Engineering

*Christopher Alan Bailey	Greenville	Thomas Nelson Johnson	Pensacola, Fla.
James Randall Bryant	Seneca	Martin Huskey Martin	Florence
Yolanda Charlene Buck	Darlington	Joseph Bishop Nelson, Jr.	Clinton
Frederick Borries Bywater, Jr.	Orlando, Fla.	David Wells Nininger	Aiken
James Francis Condon III	Charleston	Anthony Craig Ogle	Greenville
*Ernest Clarendon Coskrey IV	Charlotte, N. C.	Scott Edwin Revels	Duncan
Edwin David Cruzado	Clemson	Ryan Mark Roberts	Winston-Salem, N. C.
George Nathan Disher	Orangeburg	Gerald Edward Rothermel	Northville, Mich.
Michael Hans Freytag	Greenville	Sharon Lynn Sanders	Seneca
Vanessa Fullard	Lake City	Ricardo Taqueshi Shichiku	Gaffney
Jamie Ann Fuqua	Aiken	Robert Stephen Swartwood	Woodbridge, Va.
*Mark Christopher Game	Lewiston, N. Y.	*David Lee Walters	Jacksonville, Fla.
*Dean Alan Johnson	Goose Creek		

### Electrical Engineering

Daniel Oliver Adams ..... Columbia  
 Anthony Scott Bridgeman ..... Spartanburg  
 Myron Lynn Brookshire ..... Travelers Rest  
 Jacob Hardy Bryan ..... Aiken  
 Carolyn Danette Campbell ..... Dillon  
 Lowell Keith Carter ..... Loris  
 Yolanda Arnette Chiles ..... Columbia  
 \*Michael Alexis Clayton ..... Myrtle Beach  
 Robert Donald Crumley, Jr. .... Jackson  
 Steven Frederick DeVita ..... Walhalla  
 †\*\*Dennis Carl Dinge ..... Ridgeville  
 Lawrence John Duffy ..... Charleston  
 \*\*Philip Claude Escoffier ..... Charleston  
 Alison Marie Faust ..... Rock Hill  
 \*\*\*Robert Bedford Ferrier ..... Orangeburg  
 Simeon McRae Gaddy ..... Wadesboro, N. C.  
 George Roy Garcia ..... Seneca  
 \*Douglas Ticknor Grider III ..... Ruston, La.  
 Kenneth Dwayne Hamill ..... Taylors  
 Abraham Isaac Hay ..... Tehran, Iran  
 Ronald Dean Henderson ..... Union  
 Robert Leo Hensley ..... Greenville  
 Eric Mathew Johnson ..... Summerville

†\*David Anthony Jones ..... Spartanburg  
 Julian Eugene Kaufmann III ..... Greenwood  
 \*\*\*Byron Murray Keel ..... Barnwell  
 Craig Nelson Killen ..... Anderson  
 JoAnn Marie Lawson ..... Aiken  
 Ardisson Lindsey Lyons ..... St. Petersburg, Fla.  
 Paul McKnight ..... Lake City  
 Vincent Bryson Musgrove ..... Charleston  
 J. Randall Nealy ..... Loris  
 †\*\*\*Richard Scott Parker ..... Spartanburg  
 Edward Allen Payne ..... Walhalla  
 \*\*Travis Eugene Peppler ..... Vandergrift, Pa.  
 Robert Scott Perkins ..... Florence  
 \*\*John Wesley Ray ..... Anderson  
 Franklyn Kent Richardson ..... Irmo  
 Kelvin Jesse Rogers ..... Lexington  
 Jeffrey Blake Sanford ..... Greenville  
 William Earl Seigler, Jr. .... Charleston Heights  
 \*Peter Michael Shea ..... Camden  
 Nancy Greer Tabor ..... Greenville  
 Alexis Andre Thierer ..... New York, N. Y.  
 Monike Tolbert ..... Iva  
 \*Hon Chun Yue ..... Clemson

### Engineering Analysis

Christopher Lee Burrell ..... Greenville  
 Gerald Port Rion, Jr. .... Surfside Beach

Lisa Diane Toms ..... Germantown, Md.

### Engineering Technology

Robert James Brinson ..... Kingstree  
 Philip Robert Joram III ..... Washington, D. C.

Mark Allison LaHay ..... Clinton  
 Fred Clayton Porter ..... Chester

### Industrial Engineering

\*Patricia Lynn Averette Buis ..... Wilmington, N. C.  
 Patricia Allison Clark ..... Charleston  
 Brien Charles Cozart ..... Hanahan

Richard Charles Merkin ..... Richmond, Ind.  
 Velvet Moody ..... Waynesville, N. C.  
 Bryan Davis Rawls ..... Wagener

### Mechanical Engineering

John Lloyd Adair III ..... Cross Hill  
 Gregory David Anderson ..... Greenwood  
 Marc Jorge Balsa ..... Spartanburg  
 \*\*\*Mary Yvonne Bamert ..... Summerville  
 Eric Karl Barradale ..... Salem, N. J.  
 Barbara Ann Bauld ..... Clemson  
 Lawrence Martin Boyd ..... Clemson  
 John David Cameron ..... Chapin  
 Jeffrey Alan Caviness ..... Raleigh, N. C.  
 William Otis Crews, Jr. .... Yemassee  
 \*James Norman Cunningham ..... Easley  
 Robert Laird Dallery ..... Sumter  
 William Wesley Darm ..... Orange Park, Fla.  
 Kenneth Michael Etheredge ..... Greenville  
 Peter Carlyle Fennell ..... Chester  
 \*Norman Paul Garrett ..... Mt. Pleasant  
 Edward Henry Giard, Jr. .... Aiken  
 Julianne Greigh Harris ..... Greenwood  
 †\*\*Frank Heinsohn ..... Folly Beach  
 Gary Scott Holcombe ..... Williamston  
 James Michael Jernigan ..... Seneca  
 Donald Keith Kagle ..... Newark, Ohio  
 †\*Jeffrey Michael Karmilovich ..... Pittsburgh, Pa.  
 Joseph Louis King ..... Spartanburg  
 Timothy James Kinross ..... Greenville  
 †\*\*Sharon Margaret Kit ..... North Palm Beach, Fla.

Christine Lyse Luciani ..... Laurens  
 Michael Leo Mansuetti ..... Sumter  
 Stephen Lyde McCaskill ..... Sumter  
 Daniel Edward McNiel ..... Dillon  
 Stanley Dale Metz ..... Liberty  
 Tyler Hunter Moon ..... Rock Hill  
 Christopher James Morabit ..... Rock Hill  
 Khai Duy Nguyen ..... Piedmont  
 Walter Phillips Parker ..... Greenville  
 †\*\*John Ansel Pinson ..... Honea Path  
 John Clifford Poston ..... Columbia  
 George Edward Prince ..... West Columbia  
 Kendrick Eugene Richardson ..... Six Mile  
 David Earl Robinson ..... Gaithersburg, Md.  
 Rick Ray Roten ..... Sumter  
 John Gerald Rowe ..... Charleston  
 Douglas Hughes Stone ..... Irvine, Cal.  
 Jeffrey Brannon Swett ..... Greer  
 Clay Bryan Thomas ..... Charlotte, N. C.  
 Richard Miles Turner II ..... Boiling Springs  
 \*\*\*Mark Nathaniel Van Alstine ..... Aiken  
 Clay Johnson White ..... Anderson  
 Richard Raynold Marcelo Willems ..... Ile Perrot, Quebec  
 Michael George Zalants ..... Columbia



## COLLEGE OF FOREST AND RECREATION RESOURCES

BENTON HOLCOMB BOX, Dean

### BACHELOR OF SCIENCE

#### Forest Management

Madelynne Mary Leclair	Myrtle Beach	Janis Donnan Sipple	Hollywood, Fla.
Charles Arthur Segars, Jr.	Sumter	Glynn Allen Winslow	Georgetown

#### Forest Products

Richard Wayne Sanderson	Seneca
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#### Parks, Recreation, and Tourism Management

Melinda Jill Ashworth	Anderson	Pamela Jane Marquardt	Isle of Palms
Jan Marie Bankhead	Great Falls	Laura Sanders Maw	Spartanburg
Anthony Forrest Childress	Easley	Holly Paige Prosser	Hanahan
Wendy Lee Emerson	Stuart, Fla.	Glenys Aileen Quinn	Easley
Margaret Kimberly Gore	Myrtle Beach	Lynn Anne Russett	Rock Hill
Alicia Michelle Hucks	Lexington	Susan Jean Sadlowski	Easley
Monica Maria Kovacs	Myrtle Beach	Ellie Michelle Whaley	Florence

## COLLEGE OF LIBERAL ARTS

ROBERT ALFRED WALLER, Dean

### BACHELOR OF ARTS

#### English

Elisabeth Kirby-Smith Deal	Greenville	Michael Vandiver Mattison	Great Falls, Va.
Roderick Miles Elliott, Jr.	Summerton	Anne Elizabeth Robards	Taylors
Kristin Brooks Gerrish	Maryville, Tenn.	James Ford Small, Jr.	Lancaster
Hugh Brunson Gray, Jr.	Allendale	Dorothy Jean Smith	Greenville
Eugene Gibson Hinson III	Nichols	Ava Harriette Withington	Greenville

#### History

James Owen Eubank III	Daytona Beach, Fla.	Mae Catherine Mott	North Augusta
Joseph Andrew Fenimore	North Augusta	*Evelyn Mahaffey Welborn	Pendleton
Dorothy Elizabeth Harrison	Lithonia, Ga.		

#### Modern Languages

Mary Jane Lever	Spartanburg
-----------------	-------------

#### Political Science

Pamela Frances Alexander	Charleston	Mark Erwin Masaschi	Fairfield, Ct.
Joseph Michael Askew	Gaffney	Rodney Whitlow Page	Greenville
Kenneth Dwight Dukes	Clemson	Claire Hamilton Sims II	Easley
John Joseph Everett	Nashua, N. H.	*Kenneth Alan West	Portland, Maine

#### Pre-Professional Studies

Lance Bart Masters	Anderson
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#### Psychology

Gordon Kevin Colley	Tarpon Springs, Fla.	Patricia Lynne Reading	Columbia
Elizabeth Faye Gillia	El Paso, Texas	Kathleen Anne Reiss	Charleston
***John William Musick	Pendleton	Stephanie Kay Sargent	Columbia
Anthony Dale Rauch	Columbia		

#### Sociology

Robert Wayne Clark, Jr.	North Augusta	John James McDonough	Rockford, Ill.
Terri Lynn Coats	Lancaster	Wyman Tracy Merck	Six Mile
Harold Douglas Hawisher	Rock Hill	*Rosemary McElveen Rhinehardt	Clemson
Sylvia Jane Hinson	Kershaw		



## COLLEGE OF NURSING

OPAL SHEPARD HIPPS, Dean

### BACHELOR OF SCIENCE

#### Nursing

Cheryl Lynn Belcher	Richlands, Va.	Janet Suzanne Jaynes	Westminster
Sheila Ann Calcutt	Pamplico	Charlotte Denise Lovett	Clover
Elizabeth Anne Camacho	Charleston	*Hillary Ann Meintjes	Clemson
Kimberly Dawn Carson	Simpsonville	Floy Laine Moss	Gaffney
Elizabeth Kaye Fisher	Greenville	Helen Melissa Rodgers	Saluda
Margaret Josephine Geisler	Birmingham, Ala.	Donna Ann Setford	Charleston
Janice Louise Gilmore	Greenville	Janice Lynn Squires	Camden
Mary Christine Harley	Spartanburg	Linda Lorraine Williams	Greenwood

## COLLEGE OF SCIENCES

BOBBY GUINN WIXSON, Dean

### BACHELOR OF ARTS

#### Mathematical Sciences

†\*\*Matthew Randall Clark Auburn, Ala.

### BACHELOR OF SCIENCE

#### Biochemistry

Jeremy Lewis Barth	Clemson	Renee Marie Tauber	Bel Air, Md.
*AnnaMaria Marchionne	Spartanburg		

#### Chemistry

William Rhodes Cantrell, Jr.	Spartanburg	Leisha Jorethea Lloyd	Camden
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### Computer Information Systems

William Gregory Anderson	La Grange, Ga.	Andrew Reese Liles	Marietta, Ga.
***Christopher Charles Andrews	Seneca	John Knox Lorelle	Indianapolis, Fla.
Mildred Ann Bounds	Shreveport, La.	Kristi Ann Miller	North Charleston
Christopher Lyles Couch	Greenville	Robert Todd Prochaska	Spartanburg
Teresa Lynn Justice	West Union	Antoine Maurice Watkins	Reidsville, N. C.

### Computer Science

†*Steven William Benz	Middletown, N. J.	Ronald Lamarr Madden	Starr
JoAnna Hughes Berger	Rock Hill	Mamie Inez Malphrus	Garnett
Raymond Louis Calabria	Seneca	James R. Pace, Jr.	Hendersonville, N. C.
David Scott Condrey	Inman	Jacqueline Melissa Powell	Norris
Peter Ross Gamble	Columbia	†***John Edward Rampott	Summerville
Melony Dawn Gassaway	Westminster	Sonia Renee von der Lippe	Front Royal, Va.
***Kristin Harper	Anderson	**Christine Louise Wermuth	Tampa, Fla.
**Priscilla Ramey Harrison	Six Mile	Lise Vibeke Boggild Wiley	Accokeek, Md.
Barry Randal Hester	Clover	Steven Dwayne Wiley	Greenville
Stanley Louis Hix	Pendleton	Roger Gordon Wyatt	Wilmington, N. C.
Jan Patrice Lazar	Greenville		

#### Geology

Shawna Larkk Stone	Charleston
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### Mathematical Sciences

David Edwin Koon, Jr.	Columbia	Rameth Ann Owens	Clemson
James Edward Muse III	Kentwood, La.	Christopher Maki Price	Sylva, N. C.
Lysandra Kim Nesmith	Nesmith		

### Microbiology

Curtis Ray Bair	Norway	Stephanie Anne Harris	Clemson
Brooke Noelle Bode	Columbia	Deborah Lynn Johnson	Williamston
Rocke Carlton Crowe	Myrtle Beach	Allen Britton Thomas	Bristol, Va.

**Physics**

Hunter Scott Patterson ----- Liberty

**Zoology**

Timothy Lynn Baymiller ----- Knoxville, Tenn.  
James Houston Blanton ----- Clemson

Dana Leigh Cook ----- Duncan  
\*Patricia Lynn Smith ----- Tallahassee, Fla.

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\*Cum laude: A grade point ratio of 3.40 to 3.69

\*\*Magna cum laude: A grade point ratio of 3.70 to 3.89

\*\*\*Summa cum laude: A grade point ratio of 3.90 to 4.00

†Senior Departmental Honors: The students so designated have earned a B or better in the six to twelve credits of honors work at the upper division level in a program designed by their department. They have maintained a minimum GPR overall of 3.40. They appear in the line of march with an honors medallion on an orange and purple ribbon.

# Historical Statement

Clemson University is named for Thomas Green Clemson (1807-1888), who left the bulk of his estate to the State of South Carolina for the founding of the institution.

Thomas Clemson was born in Philadelphia in 1807 and educated at the Royal School of Mines in Paris (1828-1832). His early profession was that of a mining engineer; but circumstances diverted his interests into politics and the life of a southern planter, and he soon became an enthusiastic advocate of scientific agriculture. He had a career as a diplomat (charge d'affairs to Belgium, 1844-1852) and served as the first Superintendent of Agricultural Affairs in Washington (1860). As a scientist he published numerous articles in the fields of mining, chemistry, and agriculture. His varied activities included his assistance in the founding of the Maryland Agricultural College, his support of the Morrill Act, his leadership in South Carolina after the Civil War, and his part in founding Clemson University.

Thomas Clemson was the son-in-law of South Carolina's John C. Calhoun, a political figure of national importance during the first half of the nineteenth century. Mr. Calhoun's home, Fort Hill, is preserved on the Clemson Campus as a national shrine.

The academic program at Clemson College began in 1893 with an enrollment of 446. The first "college prospectus" announced only two four-year curricula, supplemented by two two-year preparatory courses. Today the University has ten major academic units. These are the College of Agricultural Sciences, the College of Architecture, the College of Commerce and Industry, the College of Education, the College of Engineering, the College of Forest and Recreation Resources, the College of Liberal Arts, the College of Nursing, the College of Sciences, and the Graduate School.

The institution is an accredited member of the Southern Association of Colleges and Schools; various curricula are accredited by the National Architectural Accrediting Board, National League for Nursing, Society of American Foresters, American Assembly of Collegiate Schools of Business, Accreditation Board for Engineering and Technology, and National Council for Accreditation of Teacher Education.

Clemson is a land-grant institution. As such, it is engaged not only in its primary academic program, but does extensive research at the main campus and at five agricultural experiment stations located in the State. The University is also heavily committed to a varied program of public service, including the work of agricultural extension which has professional personnel located in each of the State's counties.



## CLEMSON ALMA MATER

A. C. Corcoran, '19

Where the Blue Ridge yawns its greatness,  
Where the Tigers play;  
Here the sons of dear old Clemson  
Reign supreme away.

### Chorus

Dear old Clemson, we will triumph  
And with all our might,  
That the Tiger's roar may echo  
O'er the mountain height.

We will dream of great conquests,  
For our past is grand,  
And her sons have fought and conquered  
Every foreign land.

Where the mountains smile in grandeur  
O'er the hill and dale.

Here the Tiger lair is nestling  
Swept by storm and gale.

We are brothers strong in manhood,  
For we work and strive;  
And our alma mater reigneth  
Ever in our lives.